THE CLAIMS

1. (Previously presented) An oxygen supplying apparatus comprising an oxygen generating means, an oxygen supplying means for supplying the oxygen generated by the oxygen generating means to a user and a single automatic closing valve placed on an oxygen-supplying passage, wherein the oxygen supplying apparatus comprising:

a respiration sensor which detects the respiration of the user and provides a respiration signal;

a supply method setting means which selects the supply in a continuous flow or the supply in synchronism with the respiration of the user;

a flow rate setting means for setting a supply flow rate set value; and,

a controlling means which controls an aperture of said single automatic closing valve corresponding to the supply flow rate set value of the flow rate setting means by receiving a supply method setting signal of the continuous flow, or opens said single automatic closing valve on the inhalation starting point based on the respiration signal of the respiration sensor by receiving a supply method setting signal of the synchronous flow and at the same time controls the open time of said single automatic closing valve corresponding to the flow rate set value, wherein said single automatic closing valve is controlled by the controlling means which had taken the information set by the supply method setting means and the flow rate setting means.

2. (Previously presented) The oxygen supplying apparatus according to Claim 1, wherein said single automatic closing valve has a response time from a full close state to a full open state of 0.1 sec or less.

3. (Previously presented) The oxygen supplying apparatus according to Claim 1 or 2, wherein the orifice of said single automatic closing valve is not less than 1 mm in diameter and not larger than 5 mm in diameter.

4. (Previously presented) The oxygen supplying apparatus according to Claim 1, wherein the oxygen generating means is a adsorption oxygen concentrating means provided with adsorption cylinders packed with adsorbent which adsorbs selectively nitrogen rather than oxygen and a compressor which supplies pressurized air to the adsorption cylinders.

5. (Previously presented) An oxygen supplying apparatus comprising an oxygen generating means, an oxygen supplying means for supplying the oxygen generated by the oxygen generating means to a user and a single automatic closing valve placed on an oxygen-supplying passage, wherein the oxygen supplying apparatus comprising:

a respiration sensor which detects the respiration of the user and provides a respiration signal;

a supply method setting means which selects the supply in a continuous flow or the oxygen supply in synchronism with the respiration of the user;

a flow rate setting means for setting a supply flow rate set value; and,

a controlling means which controls an aperture of said single automatic closing valve corresponding to the supply flow rate set value of the flow rate setting means by receiving a supply method setting signal of the continuous flow, or opens said single automatic closing valve on the inhalation starting point based on the respiration signal of the respiration sensor by receiving a supply method setting signal of the synchronous flow and at the same time controls the open time of said single automatic closing valve corresponding to the flow rate set value, wherein the supply method setting means and the flow rate setting means are composed separately and independently.

6. (Previously presented) The oxygen supplying apparatus according to Claim 5, wherein said single automatic closing valve has a response time form a full close state to a full open state of 0.1 sec or less.

7. (Previously presented) The oxygen supplying apparatus according to Claim 5 or 6, wherein the orifice of said single automatic closing valve is not less than 1 mm in diameter and not larger than 5 mm in diameter.

8. (Previously presented) The oxygen supplying apparatus according to Claim 5, wherein the oxygen generating means is an adsorption oxygen concentrating means provided with adsorption cylinders packed with adsorbent which adsorbs selectively nitrogen rather than oxygen and a compressor which supplies pressurized air to the adsorption cylinders.